

City of Brookhaven Comprehensive Transportation Plan

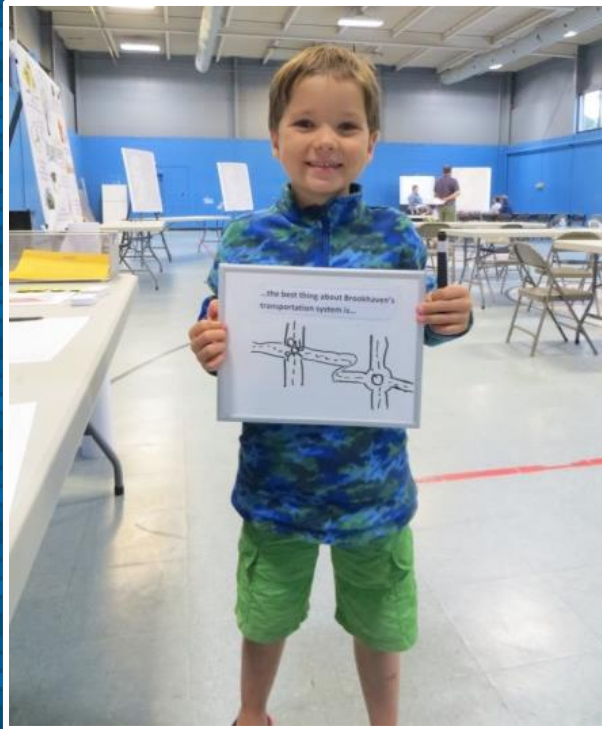
Presentation to the City Council
August 12, 2014



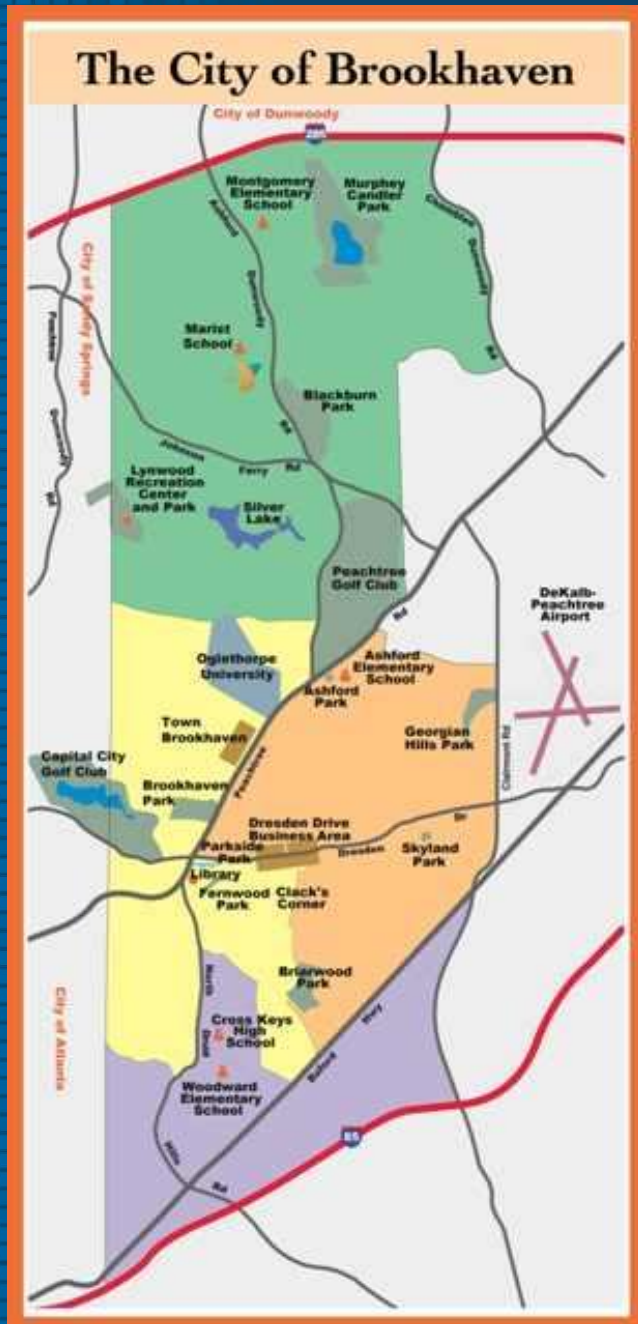
G R E S H A M
S M I T H A N D
P A R T N E R S

In cooperation with:
Foresite Group
Vision Engineering and Planning

Today's Presentation



- CTP Purpose, Vision, and Goals
- Public and Stakeholder Engagement
- CTP Process and Analysis
- Public Educational Information
- Recommended Projects and Programs



- Agree on transportation priorities
- Leverage funding from other sources
- Identify effective, affordable projects
- Support the Comprehensive Plan vision
- Foster a strong community
- Anticipate opportunities

CTP Vision and Goals

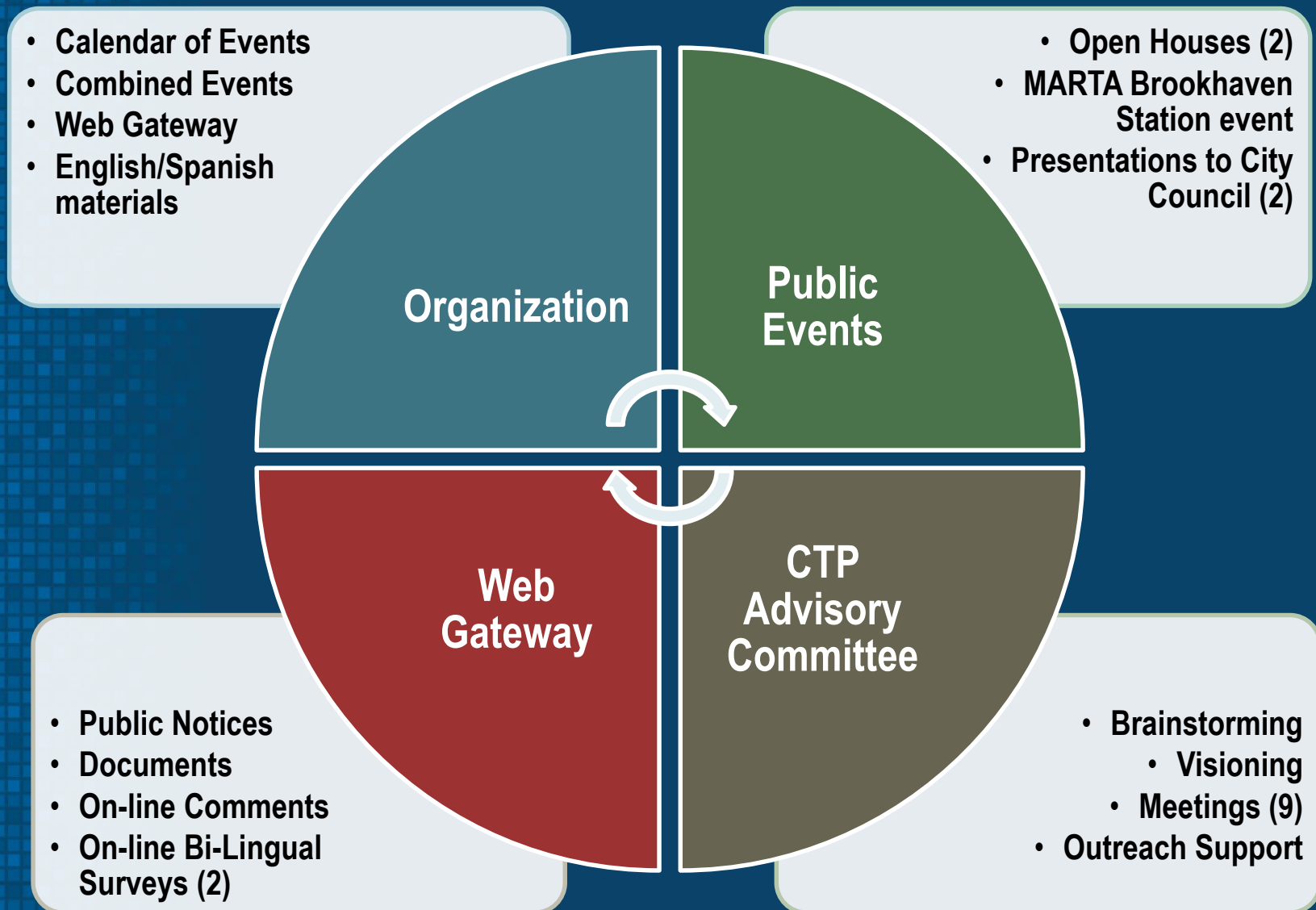


CTP Vision and Goals

SAFETY	To plan, develop, and manage a multimodal transportation system that is safe for all users.
MOBILITY AND ACCESS	To efficiently and affordably connect all City residents with neighborhoods, workplaces, commercial areas, medical/wellness centers, civic places, educational venues, and green spaces to maintain a highly desirable quality of life.
STATE OF GOOD REPAIR	To provide for regular maintenance of streets, highways, sidewalks, bike lanes and paths, and other transportation-related facilities to protect the City's investment in quality transportation infrastructure.
ECONOMIC PROSPERITY	To provide the needed mobility and access for workers, customers, goods, and services that are essential to protecting the City's economic competitiveness with the Atlanta region.
PUBLIC HEALTH	To plan and develop a transport system that contributes positively to the health of residents of all ages by providing opportunities to walk, bicycle, and access public transportation.
SUSTAINABILITY	To create a transport system that sustains the integrity of the natural environment and elevates the quality of life for current and future residents.

Stakeholder and Public Engagement Plan

City's Approach to Public Engagement



CTP Steering Committee



Joe Palladi, PE – Chair
Jennifer Harper, PE
Grady Thrasher
Clayton Conarro
Denise Starling
Wendy Butler, Esq.
Eric Hovdesven



Key CTP Participants



Public Engagement Activities



- Stakeholder Committee Meetings (9)
- Public Open Houses (2)
- “Brookhaven Bucks” Exercise



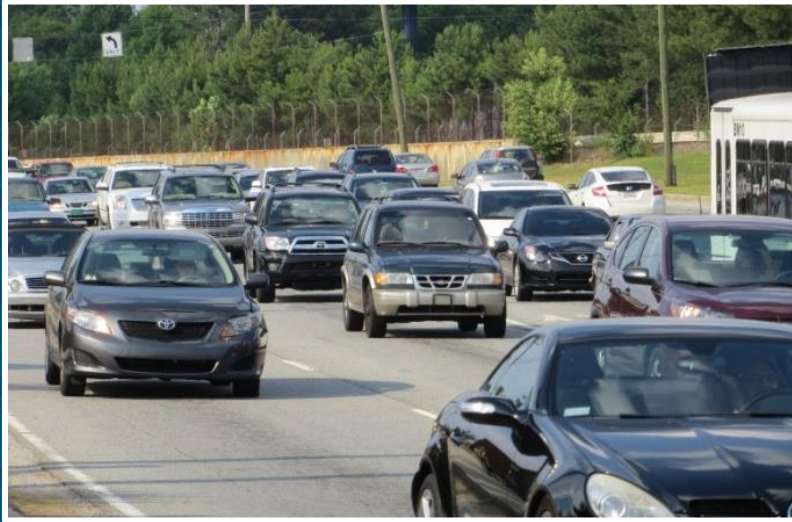
- On-Line Surveys (2)
- Outreach Event at Brookhaven – Oglethorpe MARTA Station
- Op Ed columns in community newspapers (Joe Palladi)

“Brookhaven Bucks” Results



Community-Generated Issues and Opportunities

Roadway Segments



- Ashford-Dunwoody Road
- W. Nancy Creek Drive
- Windsor Parkway
- Peachtree Road
- Dresden Drive
- North Druid Hills Road
- Apple Valley Road
- Clairmont Road
- Future Buford Highway Corridor
- New crosswalks at various locations



Community-Generated Issues and Opportunities

Intersection/Safety Issues

- W. Nancy Creek Drive at Ashford Dunwoody Road
- Ashford-Dunwoody at Peachtree Road
- Johnson Ferry Road at Ashford-Dunwoody Road
- North Druid Hills at Peachtree Road/MARTA Station (Transit-Oriented Development)



Community-Generated Issues and Opportunities

Public Transit

- Need better access to MARTA rail
- Community circulators linking to MARTA



Active Transportation

- More bike lanes in certain places
- More/better sidewalks and trails
- Trail connections to adjacent cities

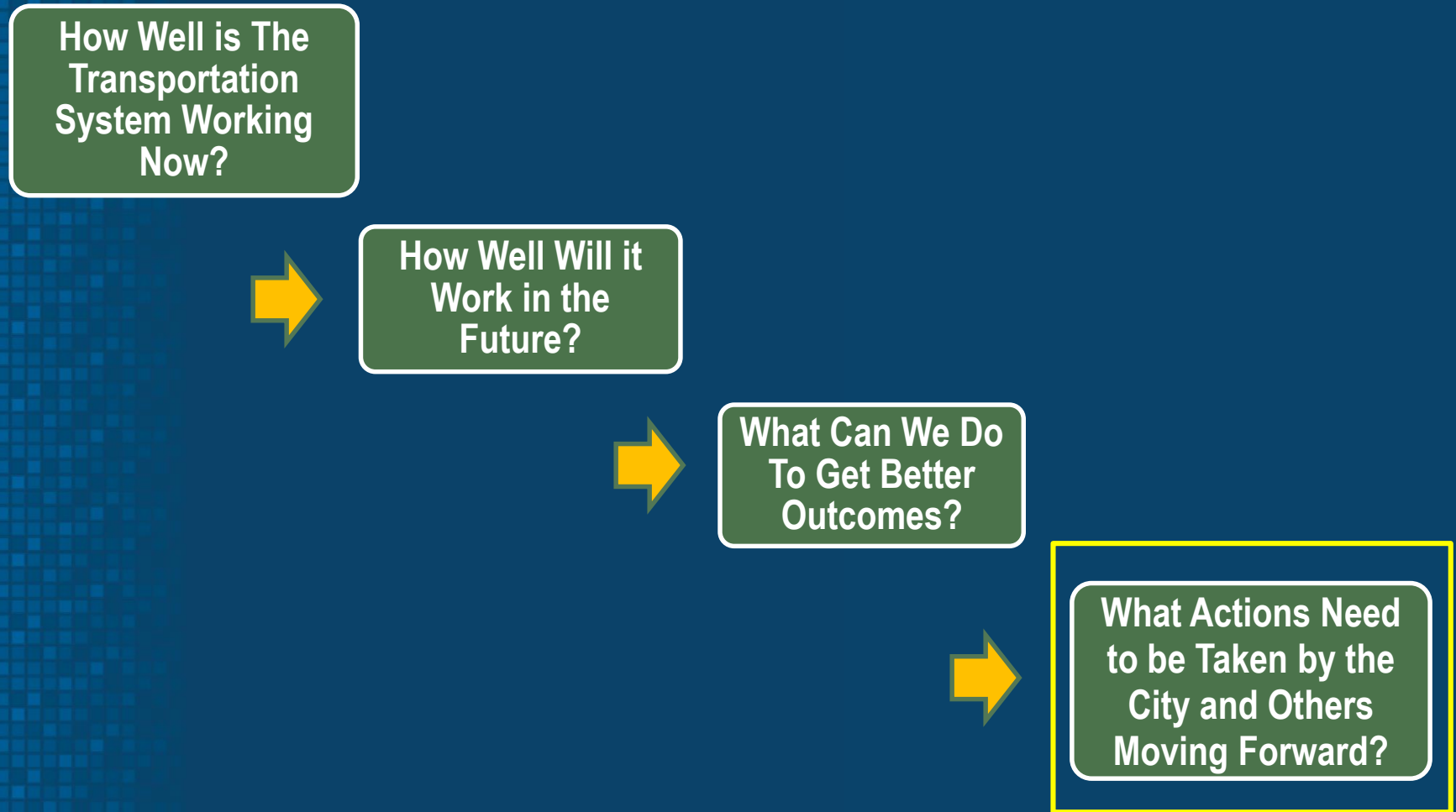
Other Problems

- Signal timing and coordination
- Better traffic enforcement in some places
- Cut-through traffic in neighborhoods



CTP Process and Analysis

CTP Process



Content of the CTP



- Review of Prior Plans and Studies
- Transportation Vision and Goals
- Transportation Issues and Opportunities
- Existing Transportation Conditions
- Future Transportation Conditions
- CTP Recommended Projects and Programs



Relevant Plans and Studies

State-Level

GDOT Statewide
Transportation
Plan/Statewide
Strategic
Transportation Plan
GDOT Freight
Mobility Study
GDOT Managed
Lane Implementation
Plan

Regional

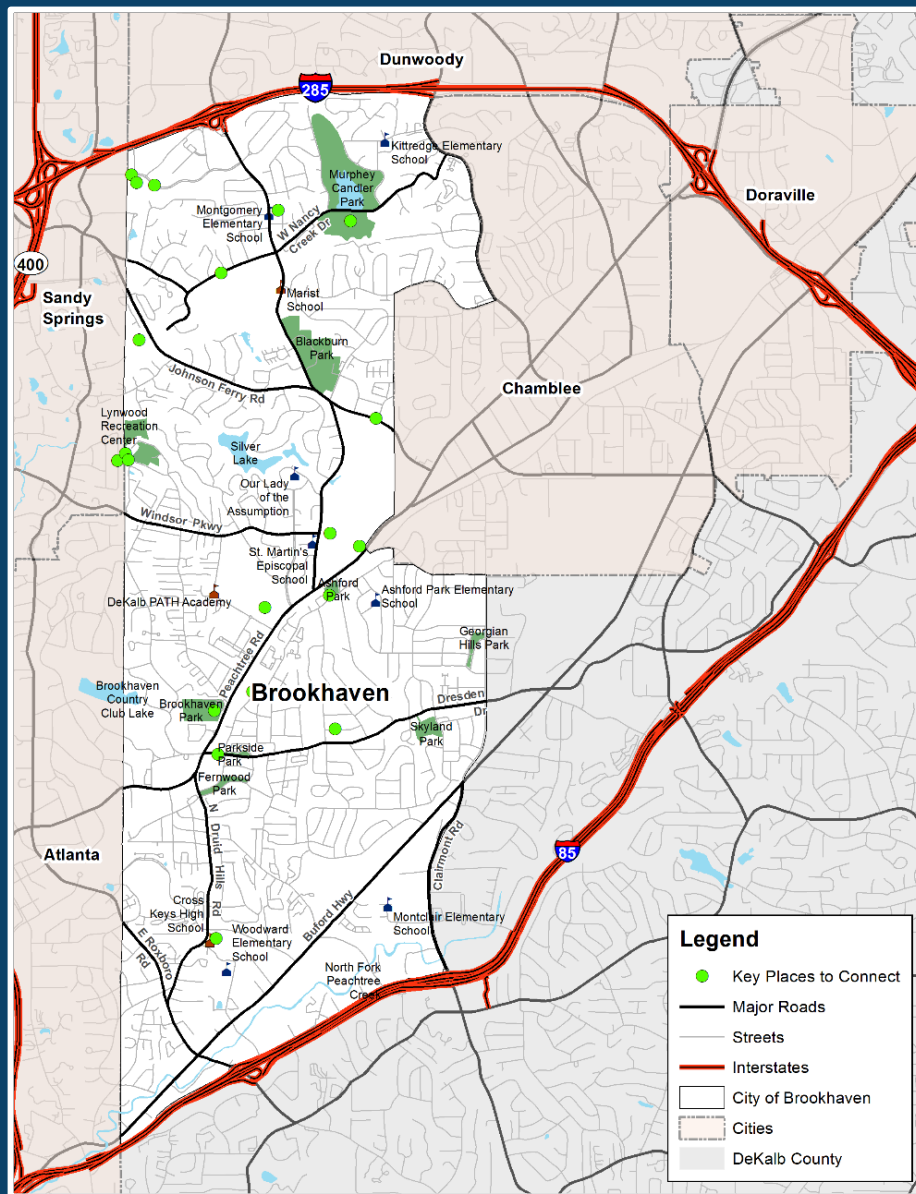
ARC PLAN 2040
ARC Buford Highway
Corridor Study
Concept 3 Transit
Vision
Strategic Regional
Thoroughfare Plan
Regional Bicycle/
Pedestrian Plan

Local

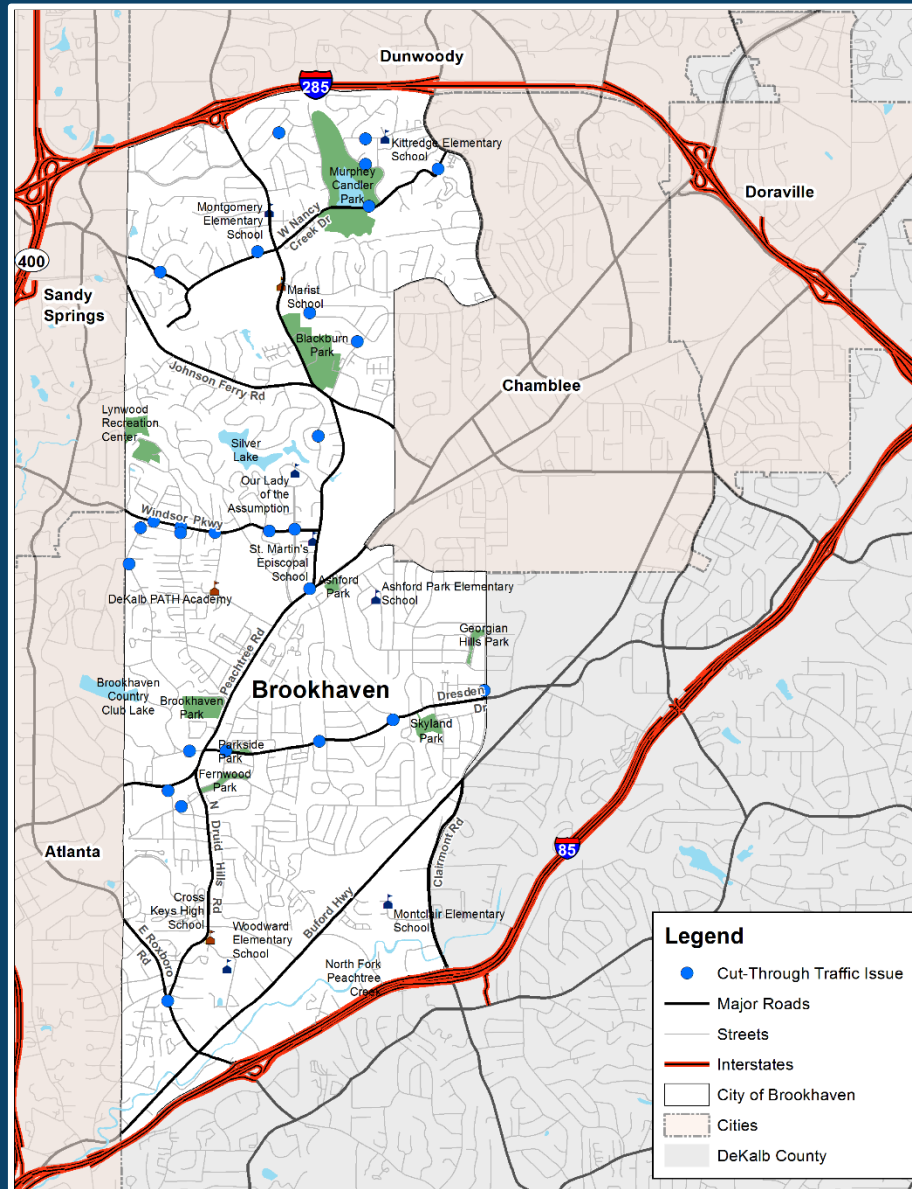
Dunwoody CTP and
Comprehensive Plan
Sandy Springs CTP,
Comprehensive Plan,
and Bicycle/
Pedestrian/Trail Plan
DeKalb County CTP
Chamblee MARTA
TOD Study
Brookhaven-
Oglethorpe MARTA
Station LCI Plan
Brookhaven Peachtree
LCI Study
PCIDs Plans



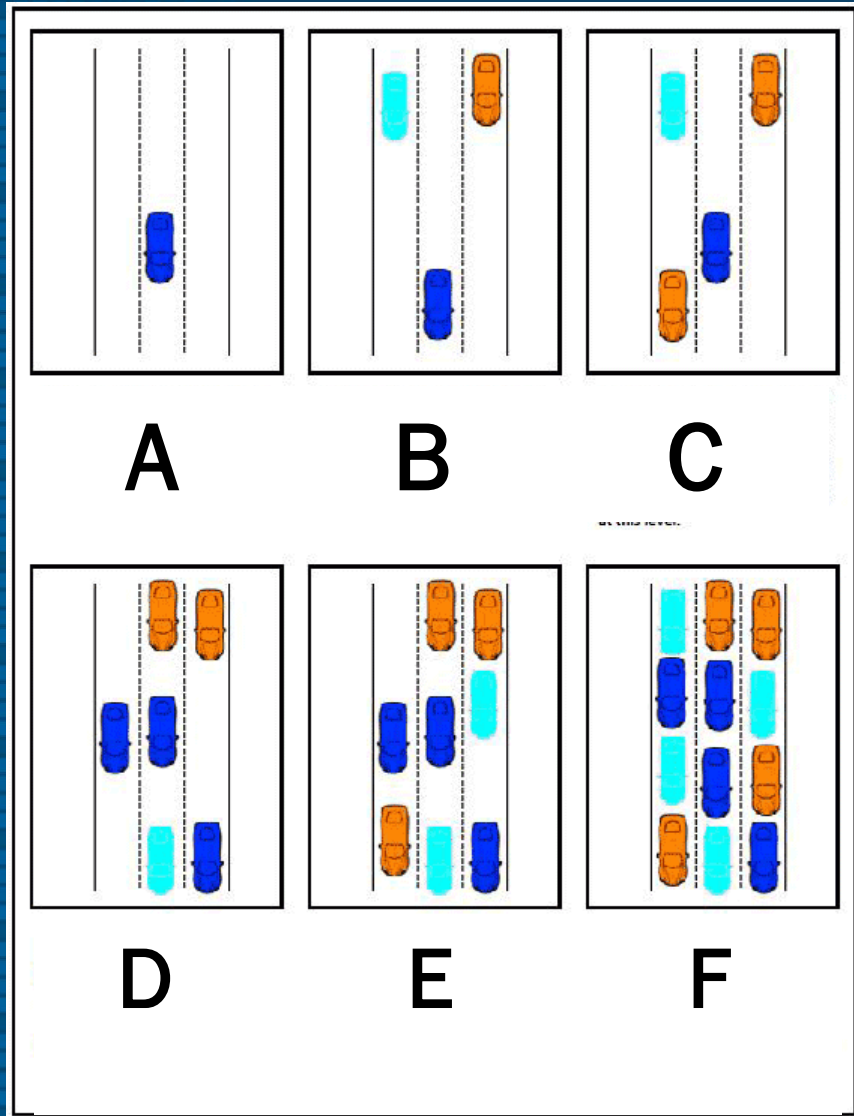
Key Places to Connect



Cut-Through Traffic Issues



Congested Roads



“Level of Service” or LOS is used to describe where traffic congestion is or will be occurring. Similar to school report cards.

A = Uncongested Conditions

B = A Little Congestion

C = Some Congestion

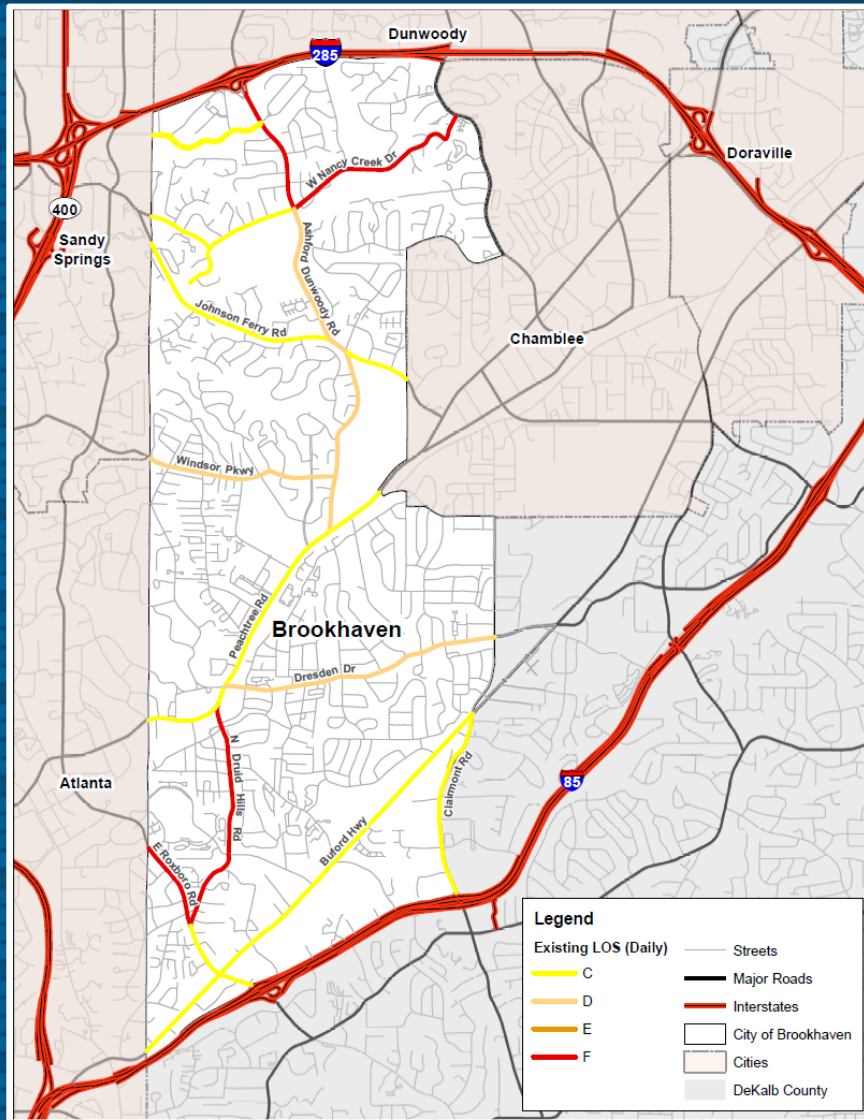
D = Approaching Congested Conditions

E = Very Congested

F = Failure

“Acceptable” congestion in urban areas is usually LOS “D”.

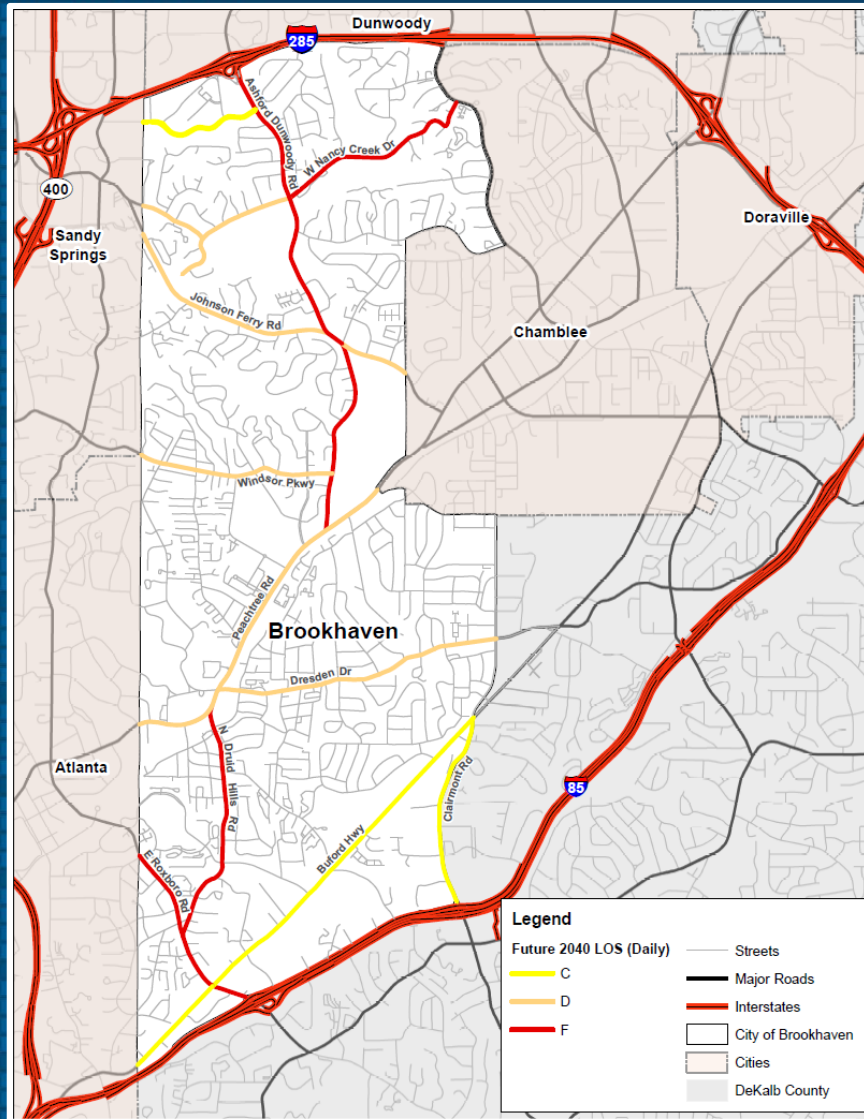
Existing Roadway LOS



Existing Congested Roads (based on daily traffic)

- Ashford Dunwoody Road from north City limit to West Nancy Creek Drive
- West Nancy Creek Drive from Ashford Dunwoody Road to east City limit
- North Druid Hills Road from E. Roxboro Road to Peachtree Road
- E. Roxboro Road from North Druid Hills Road to west City limit

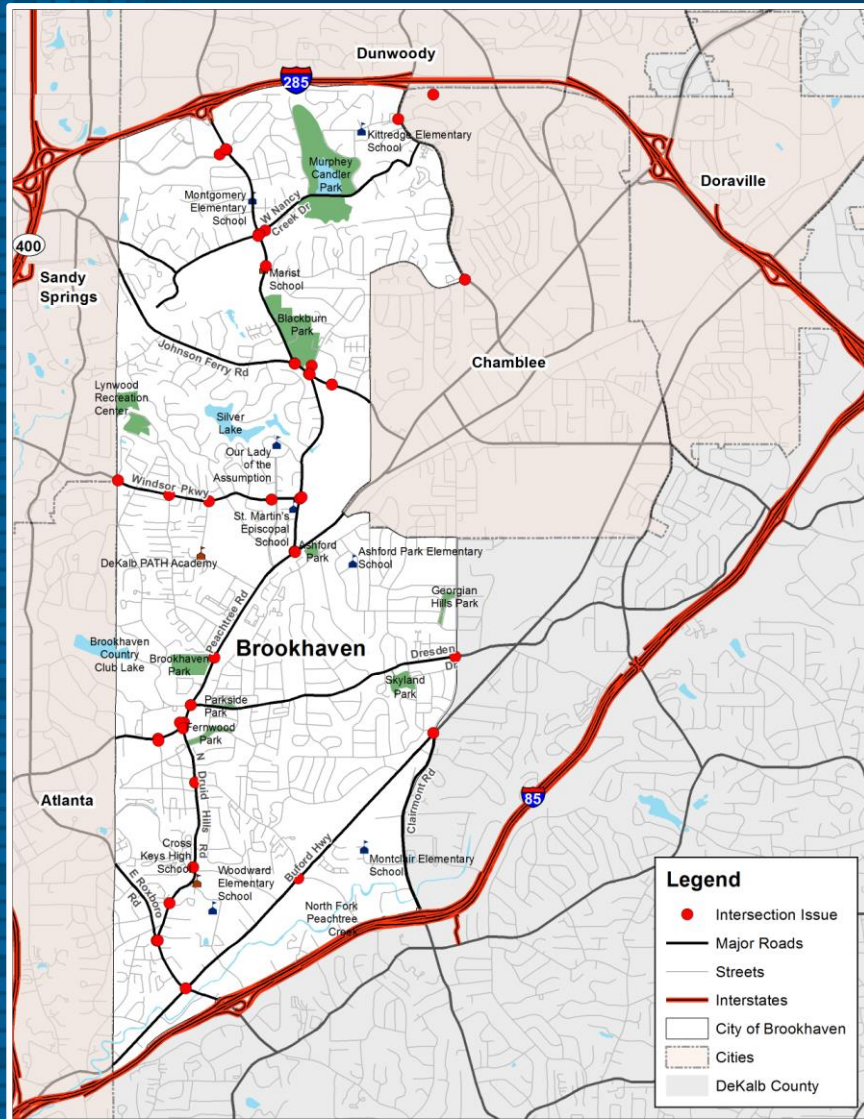
Future Roadway LOS (2040)



Future Congested Roads (based on daily traffic)

- Ashford Dunwoody Road (entire length)
- West Nancy Creek Drive from Ashford Dunwoody Road to east City limit
- North Druid Hills Road from E. Roxboro Road to Peachtree Road
- E. Roxboro Road from North Druid Hills Road to west City limit

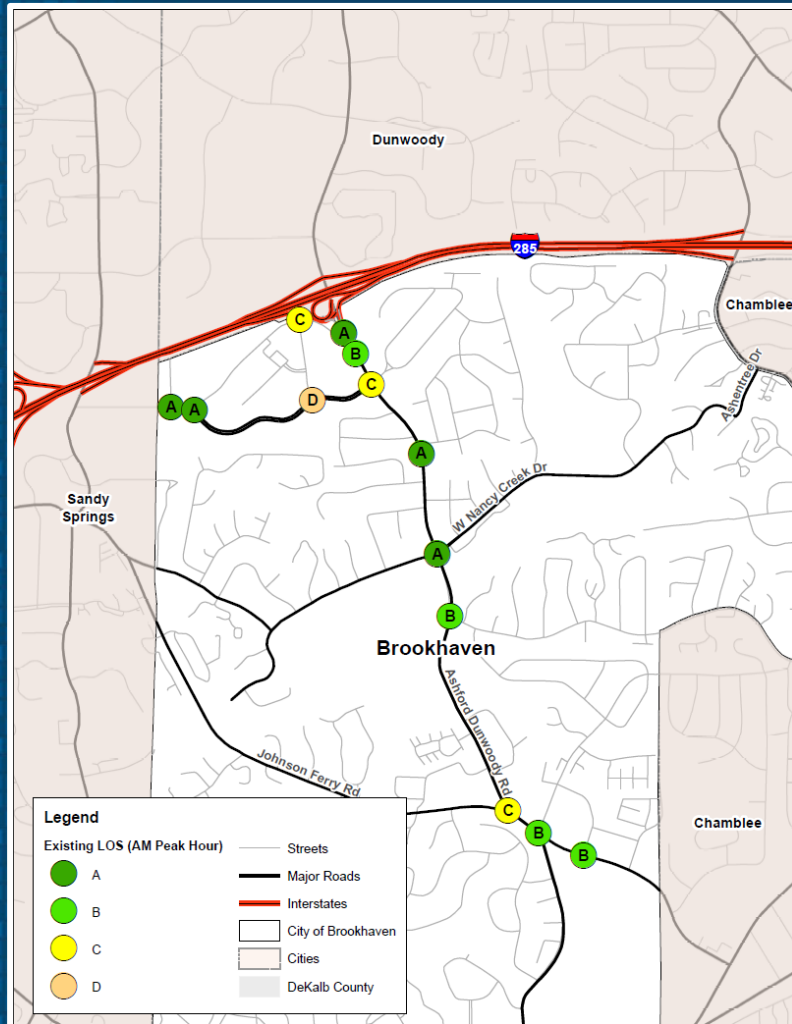
Intersection Issues



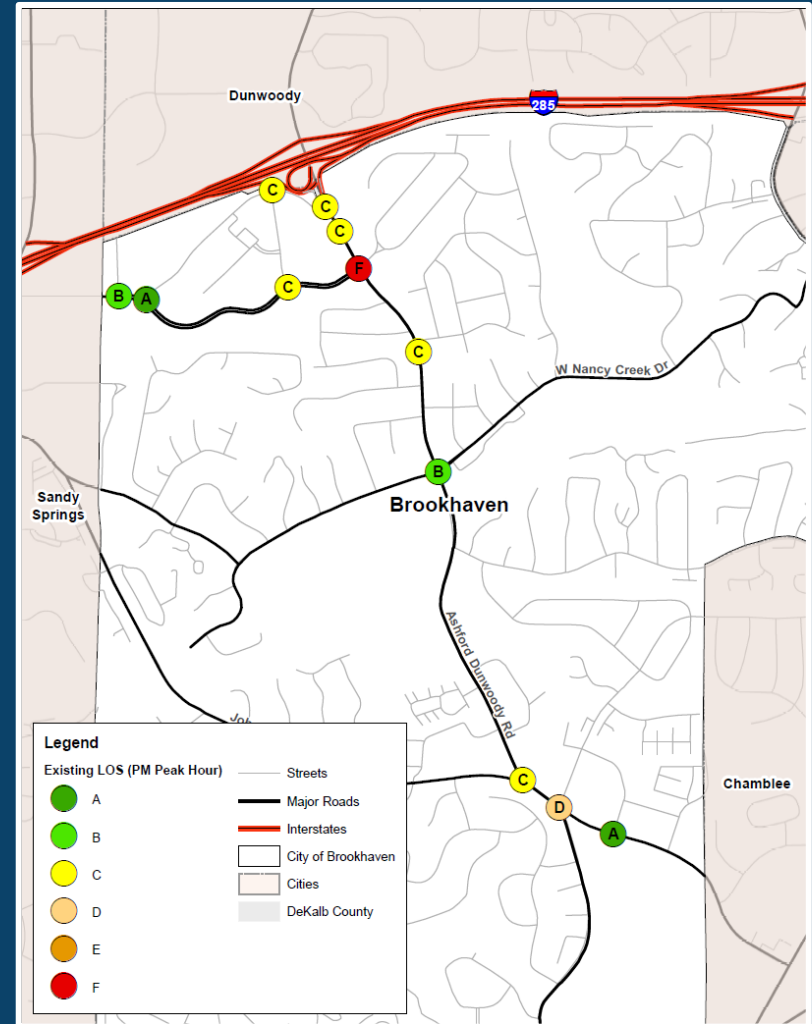
These are locations where citizens identified intersection problems.

Congested Intersections - 2013

Existing – AM – North

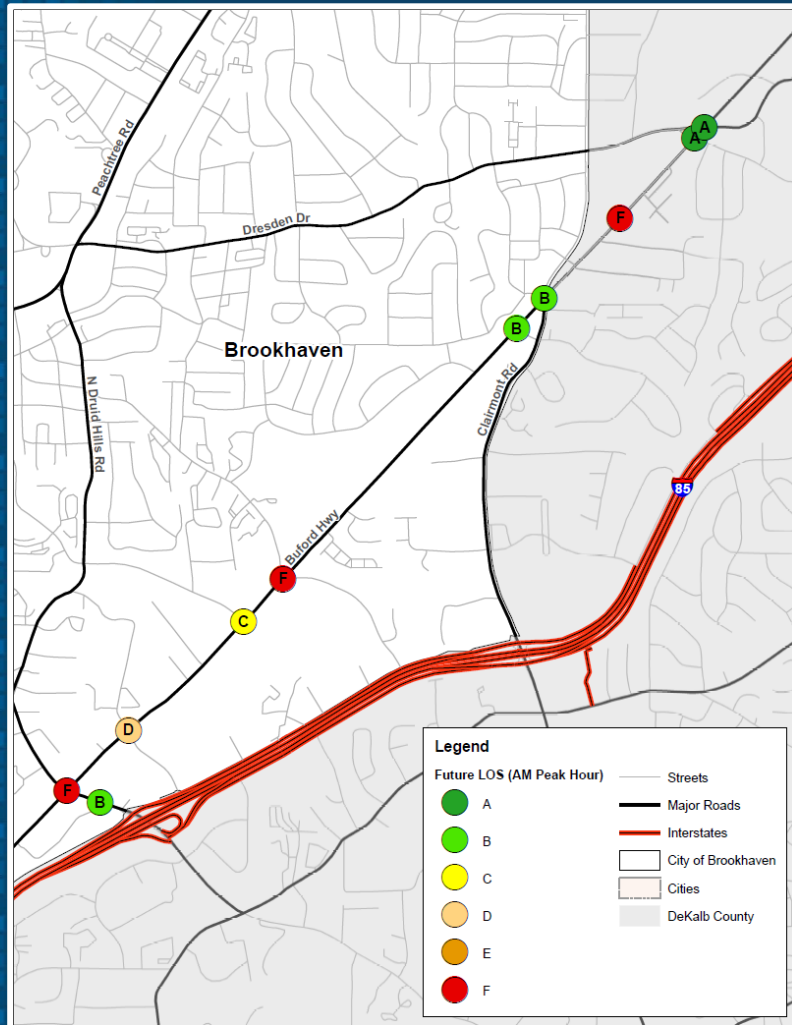


Existing – PM – North

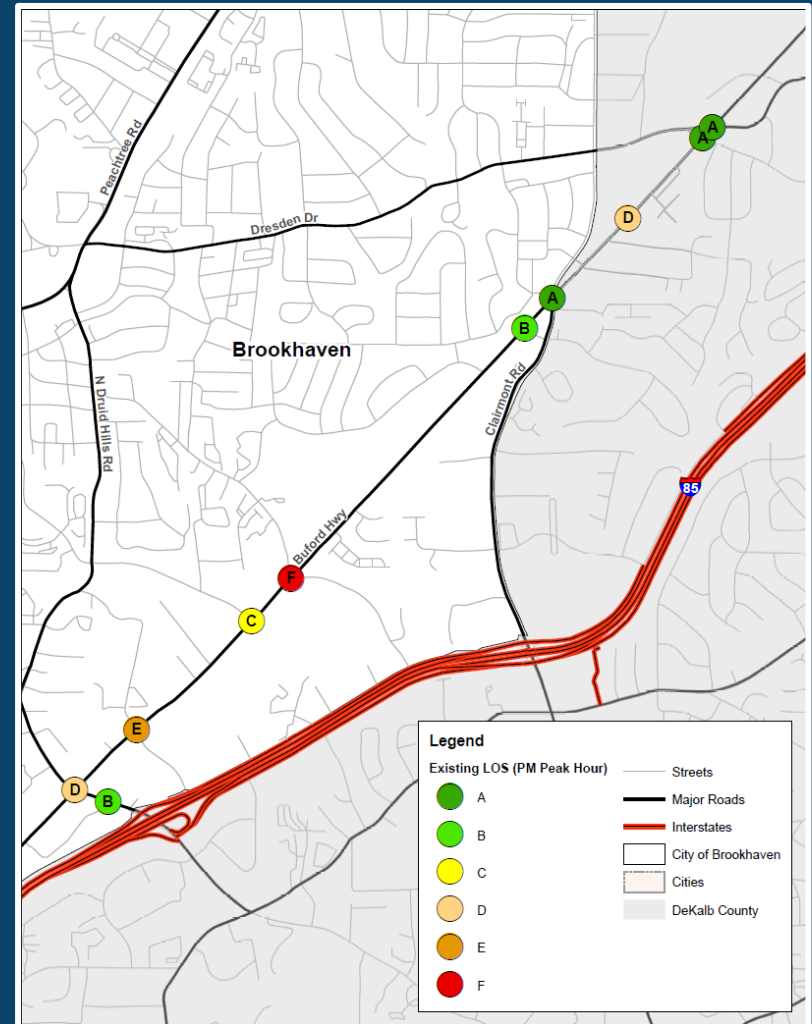


Congested Intersections

Existing – AM – South



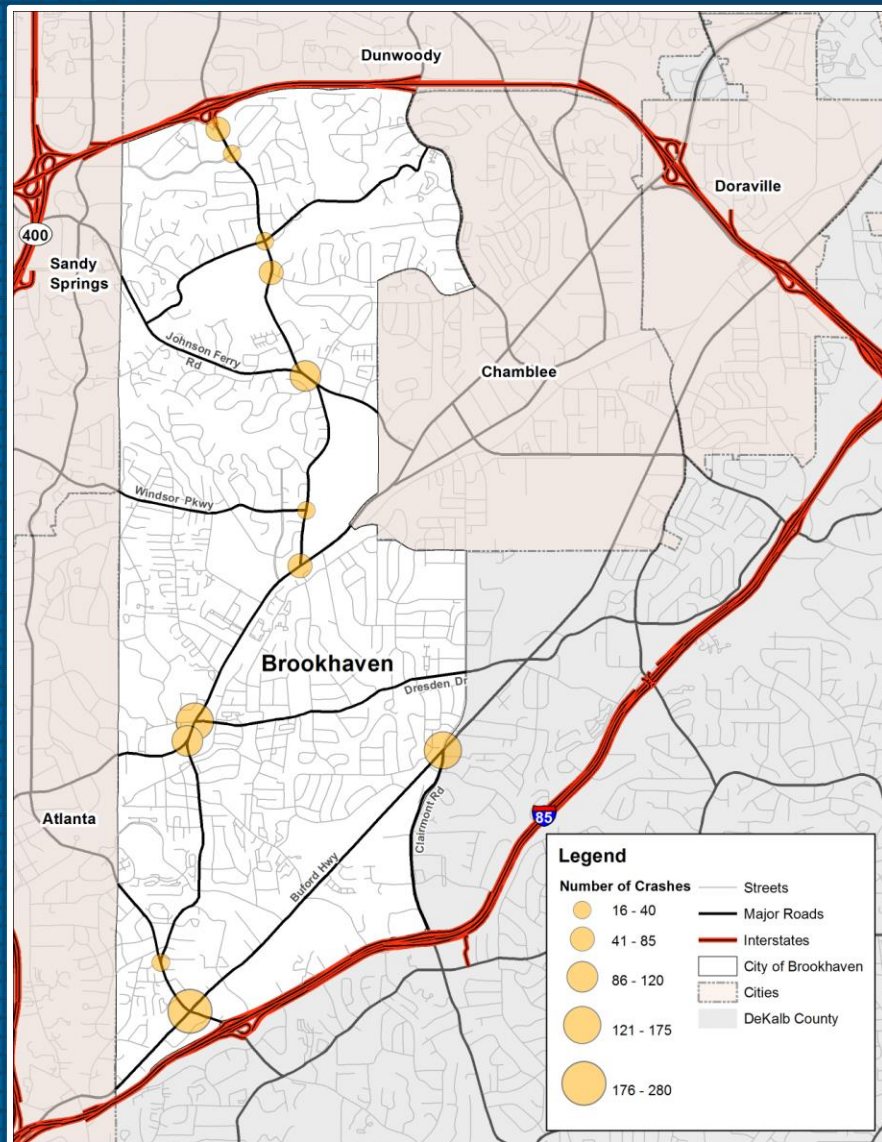
Existing – PM – South



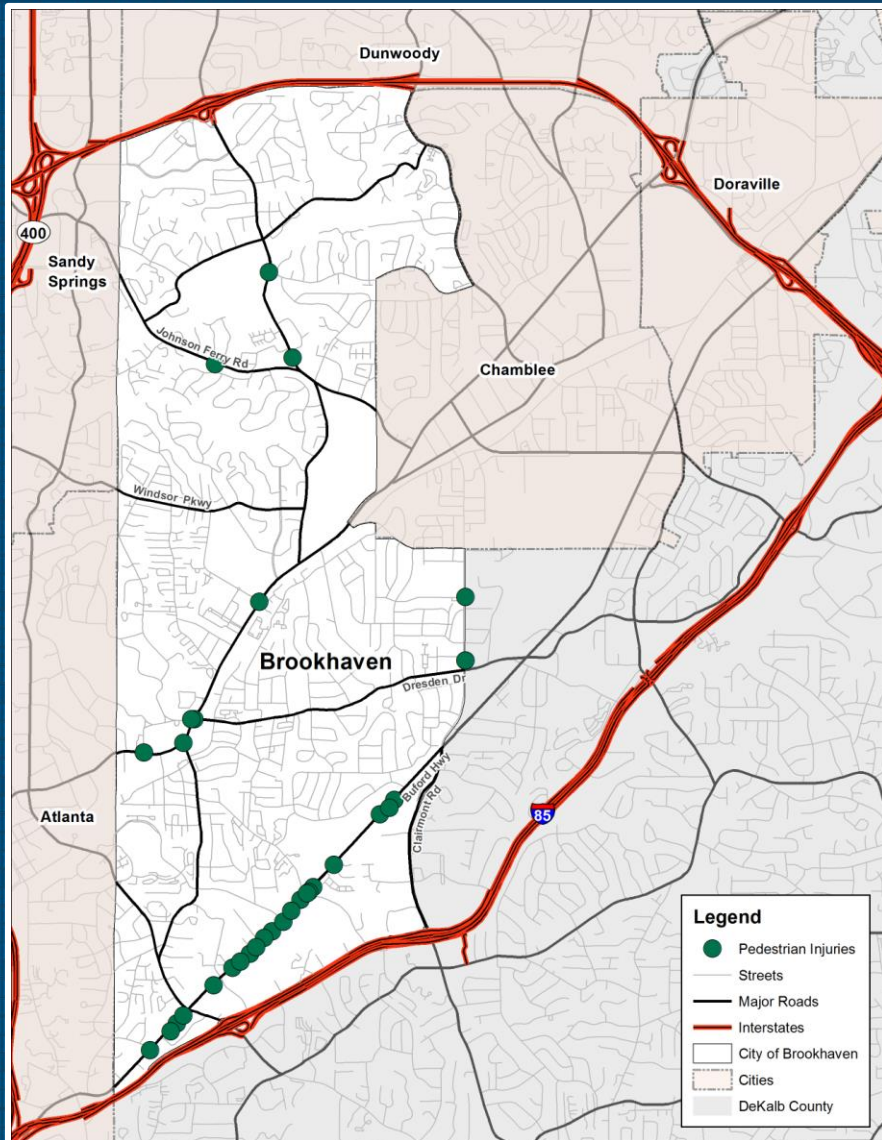
Crashes (2008-2012)

High Crash Intersections

- Buford Highway at N. Druid Hills Road (280)
- Dresden Drive at Peachtree Road (163)
- Buford Highway at Clairmont Road (137)
- Peachtree Road at N. Druid Hills Road (118)
- Ashford -Dunwoody Road at Johnson Ferry Road (112)



Pedestrian Injuries (2008-2012)



- **Buford Highway Corridor**
- **Peachtree Road**
- **Clairmont Road**
- **Dresden Drive**
- **Johnson Ferry Road**
- **Ashford Dunwoody Road**

Existing Transit Systems

Service gap exists along Ashford Dunwoody Road

MARTA Bus

- Five routes serve the City
- 171 Stops

MARTA Rail

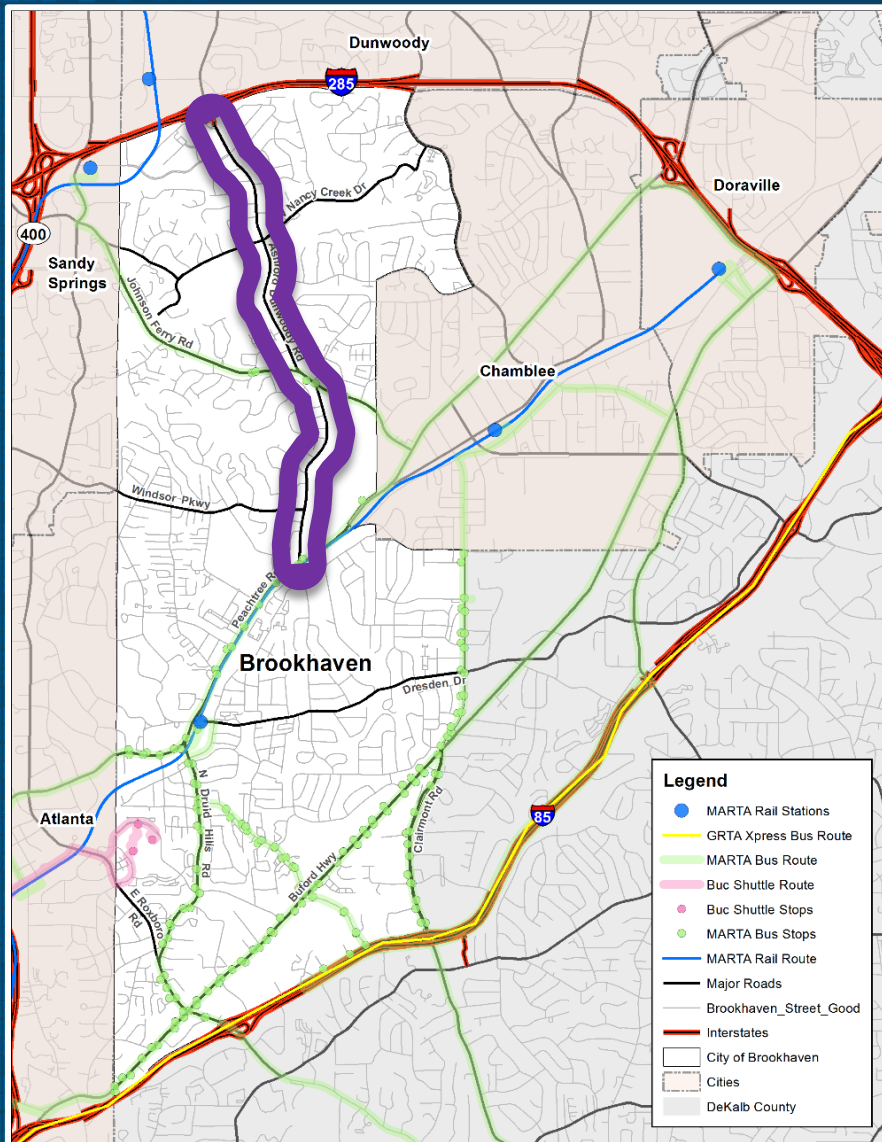
- Gold Line and Brookhaven – Oglethorpe Station

BUC Shuttle

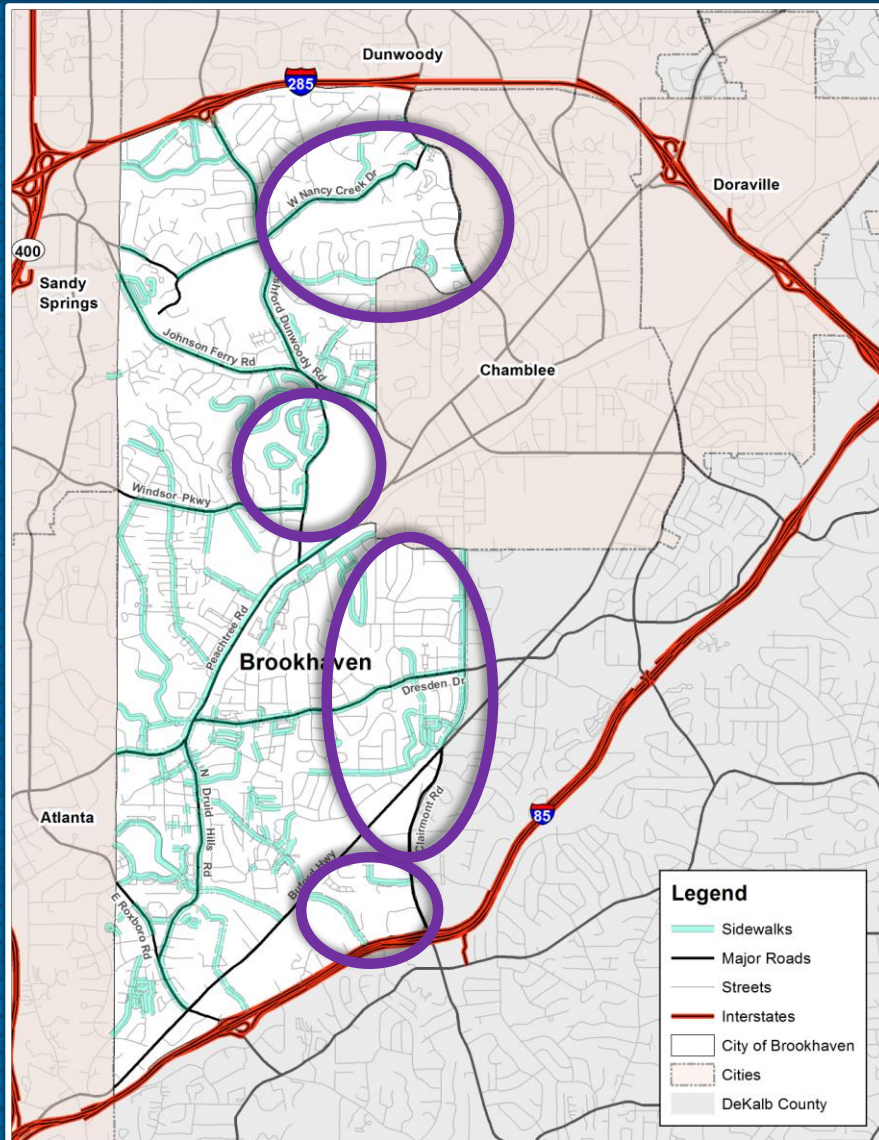
- “Red Line” to Lenox Park
- 3 stops in AT&T Complex

GRTA Xpress Bus

- Route 413 along I-85



Existing Active Transportation System



There are areas in the City where there are few sidewalks.

These are opportunities for future sidewalks.

Public Educational Materials

Complete Street Concepts - roads are meant to serve all users:

- Motorists
- Pedestrians
- Bicyclists
- Transit riders
- Delivery trucks
- Emergency vehicles





Another example of a complete street in an urban area

Walkable urban streets serve:

- Motorists
- Pedestrians
- Bicyclists
- Bus riders
- Delivery trucks

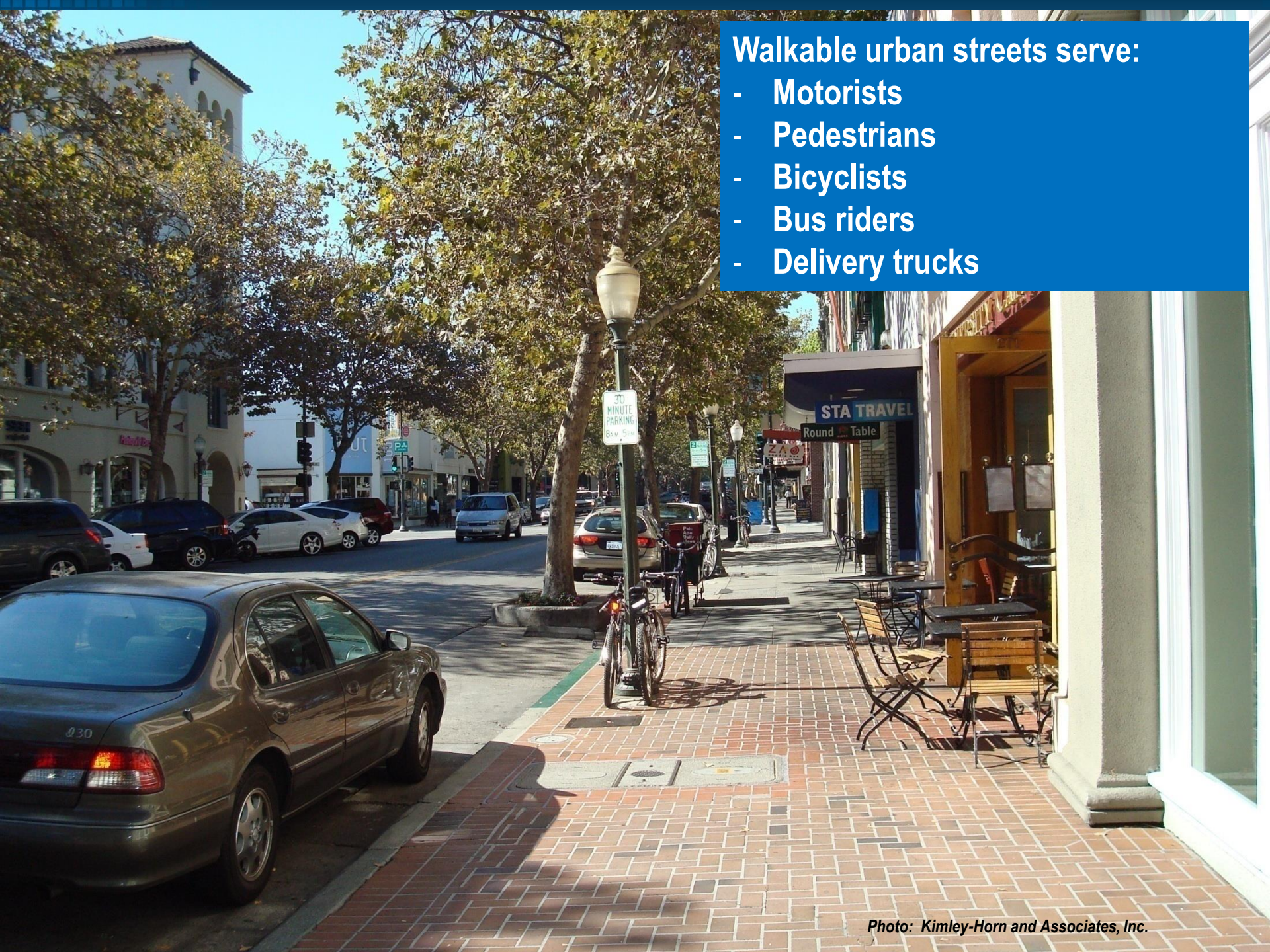


Photo: Kimley-Horn and Associates, Inc.

**Complete Neighborhood Streets serve
motorists, pedestrians, and bicyclists**



Photo: James M Daisa, P.E., Arup



Special context-design features serve motorists and bicyclists and provides extra protection for pedestrians.

Photo: Dan Burden, Walklive.org

Innovative Intersections

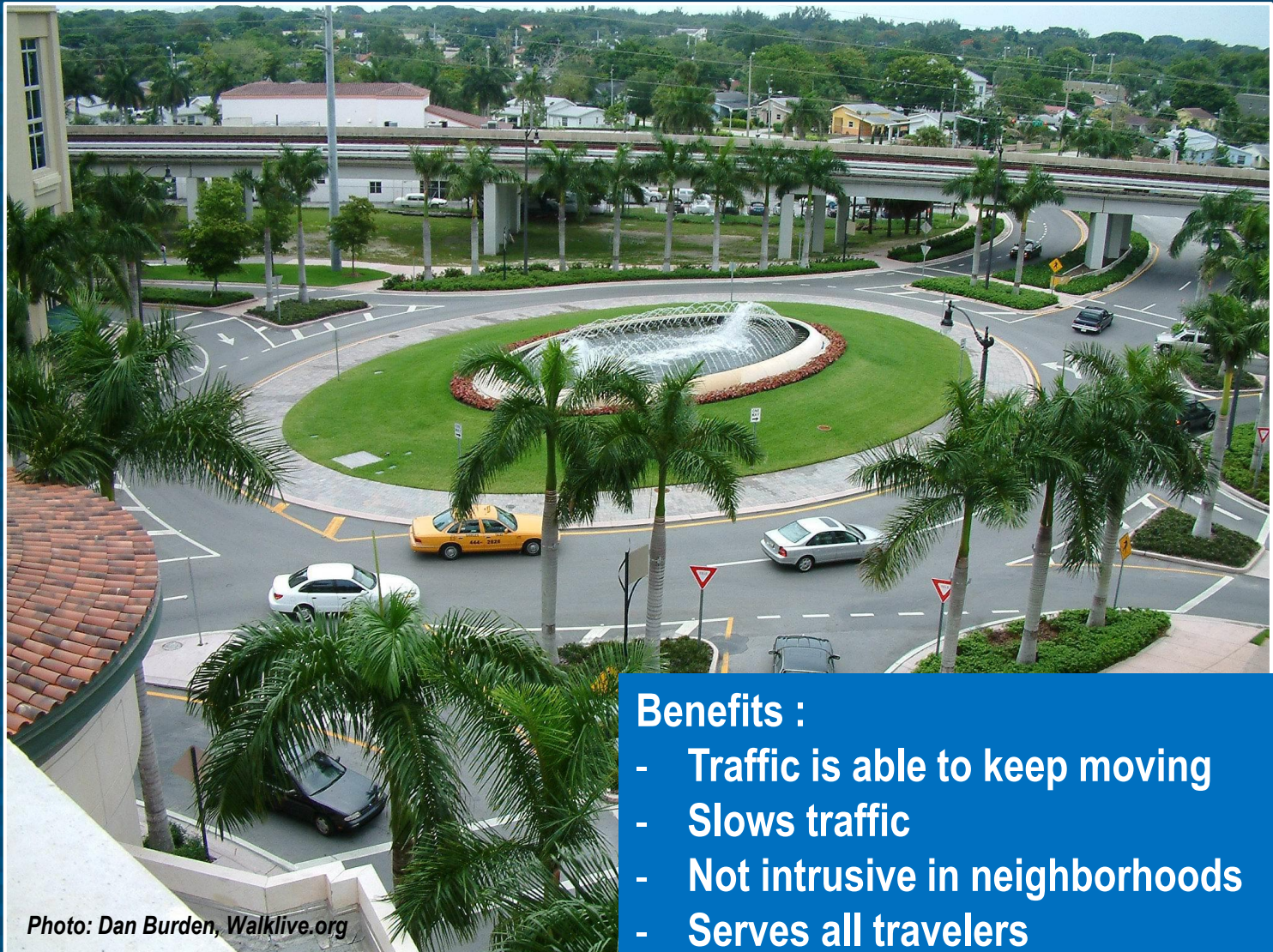


Photo: Dan Burden, Walklive.org

Benefits :

- Traffic is able to keep moving
- Slows traffic
- Not intrusive in neighborhoods
- Serves all travelers

ROUNDBOUT



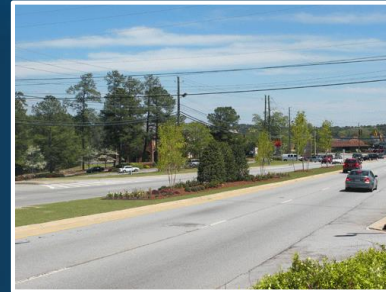
*Grimes Bridge Road
Roswell, Georgia*

TURN LANE



*Kimball Bridge Road
Alpharetta, Georgia*

ACCESS MANAGEMENT



*Wheeler Road
Augusta, Georgia*

COMPLETE STREETS



*Tech Square
Atlanta, Georgia*

Pros:

- Reduces speed and eliminates left turns, making the intersection safer
- More efficient traffic flow
- Cheaper to operate – no signal equipment to maintain
- Aesthetically pleasing

Pros:

- Removes stopped vehicles from through-traffic, reducing rear-end crashes
- Reduces delays for through-traffic
- Road can accommodate more vehicles

Pros:

- More efficient traffic flow
- Reduced traffic congestion
- Reduces turning conflict points, creating safer network for drivers, pedestrians, bikes
- Creates opportunities for streetscaping (e.g., landscaped medians)

Pros:

- Creates safer travel environment for all users
- Encourages travel by all modes of travel
- Enhances public health by more opportunities for walking, biking, and transit

Cons:

- Can initially be confusing for some drivers
- Does not work well with a traffic imbalance on the intersecting roads
- Serves emergency vehicles
- Difficult for very large trucks

Cons:

- Potential for head-on collisions in center turn lanes, if improperly used
- At intersections with significant traffic volumes, traffic signals may be more appropriate

Cons:

- Property owners may be hesitant to eliminate driveways, especially owners of commercial properties
- Shared driveways can often accommodate commercial areas more safely

Cons

- May require individual improvements to be rescheduled to allow for coordinated improvements along a corridor
- Much easier to plan for new projects vs. retrofitting

Recommended Projects and Programs

Recommended CTP Project Types



Vision/Scoping/Concepts

- **Priority Corridors**
- **Community Connectors**

Intersection Improvements

- **Traditional Intersections**
- **Potential Roundabouts**
- **Additional Turn Lanes**

Operational Solutions

- **Signal System Coordination**
- **Access Management**
- **Traffic Calming**

Active Transportation

- **Walkability Projects**
- **Bike-Friendly Projects**
- **New Trails/Trail Connections**

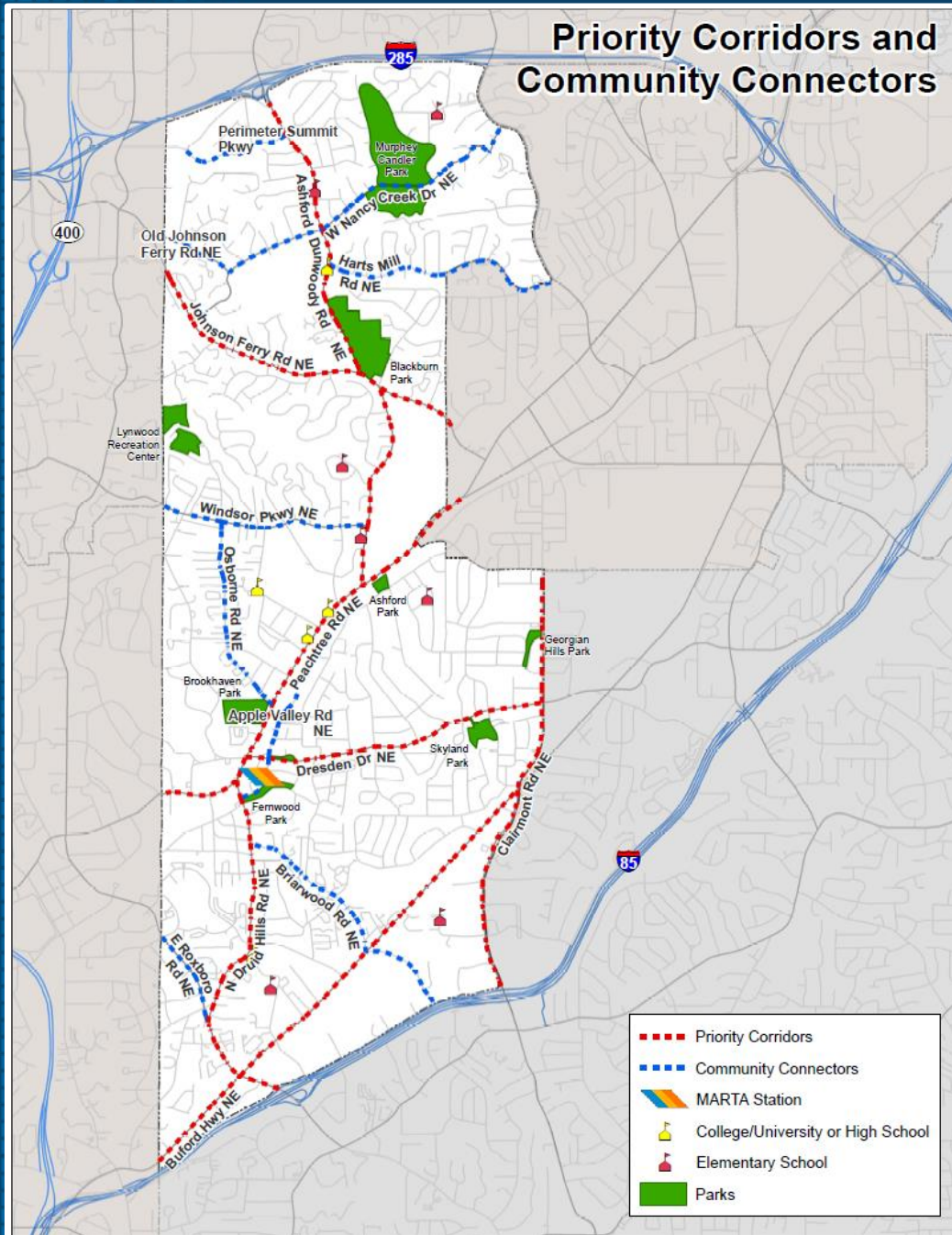
Public Transit

- **Neighborhood Circulator**
- **Better access to MARTA rail**

Special Projects and Programs

- **Citizens Transportation Advisory Committee**
- **Transportation Design Standards and Criteria**

City's Priority Corridors and Community Connectors



PRIORITY CORRIDORS

- Peachtree Road
- Ashford Dunwoody Road
- Clairmont Road
- North Druid Hills Road
- Johnson Ferry Road
- Dresden Drive

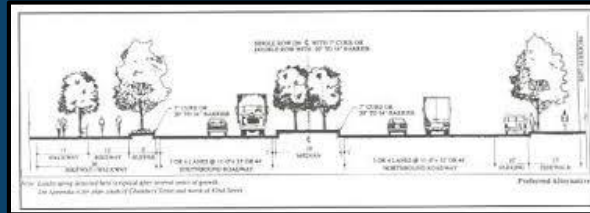
COMMUNITY CONNECTORS

- Perimeter Summit Parkway
- W. Nancy Creek Drive
- Harts Mill Road
- Windsor Parkway
- Osborne Road
- Briarwood Road
- E. Roxboro Road

Corridor Visions/Scoping/ Concept Development

LESS DETAILED

MORE DETAILED



Locations:

- Ashford Dunwoody Road from north City limit to Peachtree Road
- Clairmont Road from north City limit to south City limit
- Dresden Drive from Peachtree Road to Clairmont Road
- E. Roxboro Road from west City limit to North Druid Hills Road
- Old Johnson Ferry Road/W. Nancy Creek Drive from west to east City limit
- Osborne Road from Peachtree Road to Windsor Parkway

Intersection Improvements

Locations:

- Peachtree Road
 - At Ashford Dunwoody Road
 - N. Druid Hills Road
 - Dresden Drive
- Ashford Dunwoody Road
 - Johnson Ferry Road
 - Windsor Parkway
- Buford Highway
 - Briarwood Road
 - N. Cliff Valley Way
 - Clairmont Road



Active Transportation Improvements

Projects:

- Citywide Active Transportation Plan
- Trails
 - N. Fork of Peachtree Creek
 - Murphey Candler Trail Connector
 - S. Fork of Peachtree Creek
 - Nancy Creek Trail
- Pedestrian improvements
 - Peachtree Road from N. Druid Hills Road to Ashford Dunwoody Road
 - Peachtree Road from west City limit to North Druid Hills Road
 - Harts Mill Road sidewalks
 - Pedestrian Tunnel from Town Brookhaven to east of CSX Railroad





- Neighborhood Transit Circulator Plan
- Improved bike/pedestrian access to Brookhaven-Oglethorpe MARTA Station

Transportation System Operations Projects



Locations:

- Intelligent Transportation System (ITS) expansion project
- Clairmont Road Signal Improvements – 40 locations
- Ashford Dunwoody Road north and south of Montgomery Elementary School entrance
- Windsor Parkway Traffic Operations Study



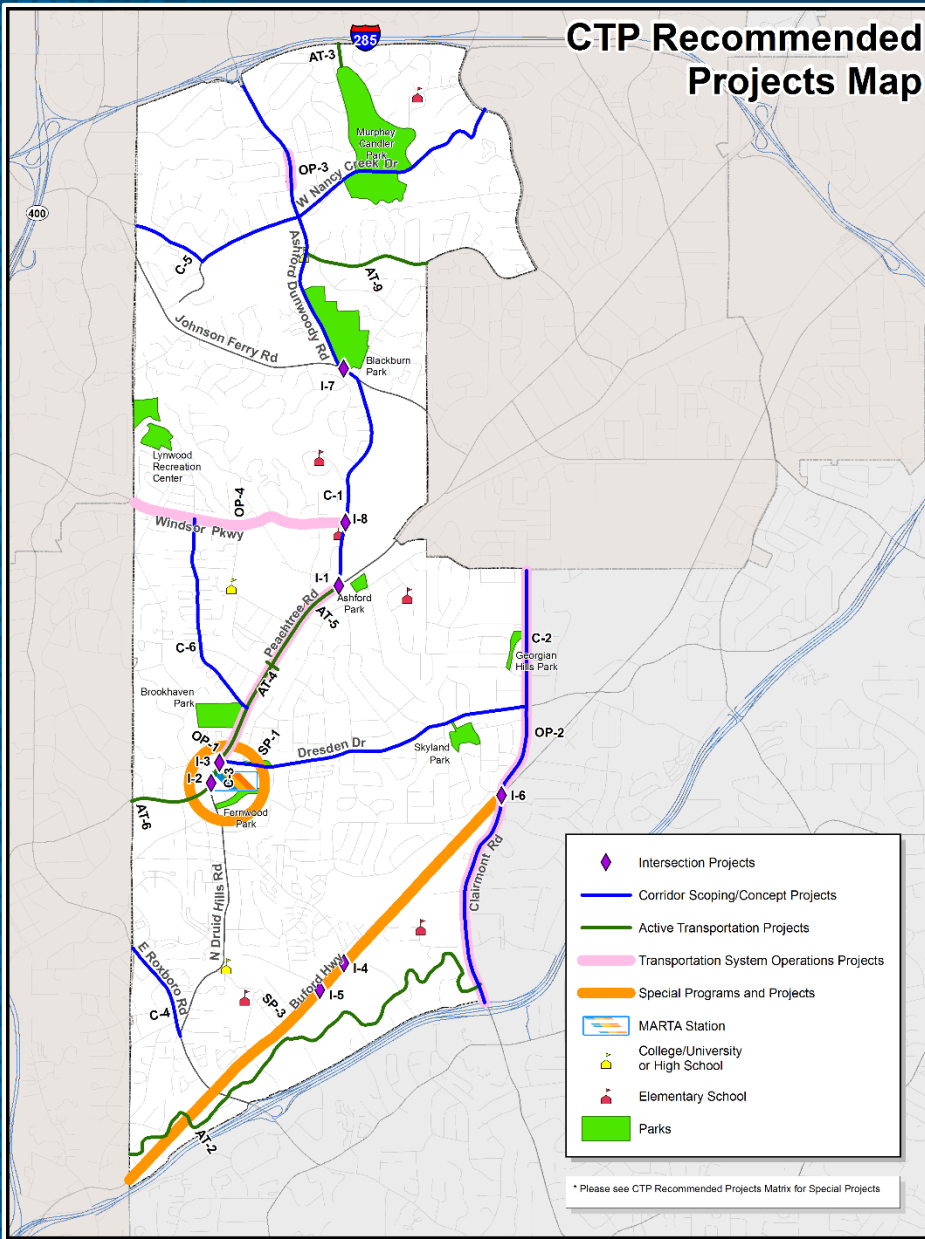
Locations:

- Peachtree Road Corridor/
Brookhaven-Oglethorpe MARTA Station Area
(preparation for MARTA TOD Proposal)
- Ultimate Buford Highway (Parkway) Concept Study
(including road diet and public transit)



- **Formation of the Citizen Transportation Advisory Committee**
- **Transportation Standards and Criteria**
 - **Active Transportation**
 - **Complete Streets**
 - **Traffic Calming**
 - **Walkable Urban Thoroughfares**
 - **Context Sensitive Design**

CTP Recommended Projects



- Expanded role for the City in transportation visioning and system development
- Role model for peers in Active Transportation and Corridor Management
- Partnership opportunities with MARTA, PCIDs, and City of Dunwoody

Questions and Answers

For More Information

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